

Datasheet: PEP006

| | |
|----------------------|-----------------------------------|
| Description: | RECOMBINANT HORSE SERUM AMYLOID A |
| Name: | SERUM AMYLOID A |
| Other names: | SAA |
| Format: | Rec. Protein |
| Product Type: | Recombinant Protein |
| Quantity: | 0.1 mg |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|-------------------|-----|----|----------------|--------------------|
| ELISA | ▪ | | | |
| Functional Assays | | | ▪ | |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

| | |
|---------------------------------------|---|
| Target Species | Horse |
| Product Form | Purified recombinant protein - lyophilized |
| Reconstitution | Reconstitute with 1.0 ml distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. |
| Preparation | Purified by affinity and reversed-phase chromatography |
| Source | Pichia pastoris |
| Preservative Stabilisers | None present |
| Approx. Protein Concentrations | 0.1 mg/ml after reconstitution |

**External Database
Links**

UniProt:

[P19857](#)

[Related reagents](#)

Product Information

Recombinant Horse serum amyloid A (SAA) is a recombinant protein consisting of 120 amino acids, which includes a proprietary 10 aa tag at the N-terminus. An *Escherichia coli* expression system was used.

Serum amyloid A proteins are a family of acute phase proteins, produced primarily by the liver, highly conserved in vertebrate species, and used as markers of inflammation.

Equine SAA, as with serum amyloid A in other species, is present in different isoforms; this recombinant protein corresponds to isoform 1 (SAA1). Equine SAA is composed of 110 amino acids and differs from human SAA by having an 8 aa sequence insert in the central region of the sequence.

With similar biochemical properties to the native equine SAA, this reagent may be used as a standard in immunoassays for measurement of levels of horse serum amyloid A.

**Protein Molecular
Weight**

13.6 kDa

Purity

>95%

Storage

Prior to reconstitution store at -20°C.
After reconstitution store at -20°C.
Storage in frost-free freezers is not recommended. This product should be stored undiluted.

Guarantee

Guaranteed until date of expiry. Please see product label.

**Health And Safety
Information**

Material Safety Datasheet documentation #10268 available at:
<https://www.bio-rad-antibodies.com/SDS/PEP006>
10268

Regulatory

For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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